

Title (en)

WEAR-RESISTANT STAINLESS CUTTING ELEMENT OF AN ELECTRIC SHAVER, ELECTRIC SHAVER

Title (de)

ABRIEBFESTES ROSTFREIES SCHNEIDELEMENT EINES ELEKTRISCHEN RASIERAPPARATS, EIN ELEKTRISCHER RASIERAPPARAT

Title (fr)

ELEMENT COUPANT INOXYDABLE ET RESISTANT A L'USURE DE RASOIR ELECTRIQUE, RASOIR ELECTRIQUE

Publication

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Application

**EP 03784332 A 20030722**

Priority

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Abstract (en)

[origin: WO2004015159A2] Disclosed is a cutting element as used in an electric shaver. Said element is manufactured from maraging or precipitation-hardenable stainless steel with a surface hardened by plasma nitriding. The cutting element is plasma nitriding hardened on all surfaces of the blade, and a plasma nitriding hardened layer comprises a surface top layer of steel supersaturated with nitrogen and a diffusion layer adjoining the top layer with a hardness ranging from the hardness of the top layer to the hardness of the steel before hardening by means of plasma nitriding. Also disclosed is an electric shaver comprising at least one of the above cutting elements, as well as a method of manufacturing a cutting element.

IPC 8 full level

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